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AP11 Rec of CT/PTO 11 AUG 2005 Application No. To Be Assigned (U.S. Nat'l. Stage of PCT/US2005/004678)
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Susan WIMER-MACKIN

Application No.: To Be Assigned (U.S. Nat'l. Stage

of PCT/US2005/004678)

Group Art Unit: To Be Assigned

Filed: August 11, 2006

Examiner: To Be Assigned

For: Anthrax Antigens and Methods of Use

Commissioner for Patents
U.S. Patent and Trademark Office
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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §\$1.97 and 1.98.

- [x] Pursuant to 37 C.F.R. §1.98, copies of documents 16-57 cited in the attached Form PTO-1449 are enclosed.
- [] Copies of the remaining publications listed on the attached Form PTO-1449 are not being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial Nos.: to which the above-identified application claims priority under 35 U.S.C. §120.
- [] Copies of documents that were not submitted in the above-mentioned related United States Patent Applications may be found in related United States Patent Application Nos.:

Should the Examiner be unable to locate a document, a copy will be provided upon request.

Attorney Docket No. LIGO-009/02US Application No. To Be Assigned (U.S. Nat'l. Stage of PCT/US2005/004678)

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[x]	No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO-1449 are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
[]	Documents listed on the attached Form PTO-1449 were cited in a foreign search or examination report corresponding to application serial no and mailed on, cited herein as document
[]	Enclosed is a copy of a non-English publication(s) Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
[]	Enclosed is a copy of a non-English publication(s) English language publication (copy enclosed) claims priority from this non-English publication.
[]	Enclosed is an explanation of non-English publication(s) for which an English translation is not available.
[x]	Documents 17-32 are non-English publications. Abstracts for document nos. 17-31 may be found within each publication. An English abstract of non-English document no. 32, SU 11789218 A1 attached to the end of the publication.
[]	The Examiner's attention is directed to related co-pending United States Patent Application Serial Nos.:
This Informat	ion Disclosure Statement is filed within any one of the following time periods:
[]	within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
[]	within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
[x]	before the mailing date of a first office action on the merits; or
[]	before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

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It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO-1449 to the undersigned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 50-1283.

Respectfully submitted, COOLEY GODWARD LLP

Dated: August 11, 2006

USPTO Customer No. 58249

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By:

Bonnie Weiss McLeod Reg. No. 43,255

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(Use several sheets if necessary)				Applicants: Susan WIMER-MACKIN PAGE 1 of 3			
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		/Patricia Duffy/	d, whether or not cit)/2009		

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Application No. Attorney Docket No. LIGO-009/02US To Be Assigned INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Applicants: Susan WIMER-MACKIN PAGE 2 of 3 PTO Form 1449 Filing Date: August 11, 2006 Group Art Unit: To Be Assigned FOREIGN PATENT DOCUMENTS Translation Class Sub-Class Country Document No. Derwent abstract 01/23/1993 Soviet Union SU 1789218 A1 32. attached **WIPO** WO 98/11914 A1 03/26/1998 **WIPO** WO 00/02522 A2 01/20/2000 34. WO 03/048390 A1 06/12/2003 **WIPO** 35. **WIPO** 06/19/2003 WO 03/049670 A2 36. WIPO WO 2004/004654 A2 01/15/2004 37. **WIPO** WO 2005/000884 A1 01/06/2005 38. 01/27/2005 **WIPO** WO 2005/007804 A2 **39**. 06/02/2005 **WIPO** 40. WO 2005/048918 A2 WO 2005/068493 A1 07/28/2005 **WIPO** 41. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Boyaka et al., "Effective Mucosal Immunity to Anthrax: Neutralizing Antibodies and Th Cell Responses 42. Following Nasal Immunization with Protective Antigen," J. Immunol. 170:5636-5643 (2003). Chabot et al., "Anthrax capsule vaccine protects against experimental infection," Vaccine 23:43-47 (2004). 43. Daubenspeck et al., "Novel Oligosaccharide Side Chains of the Collagen-like Region of BclA, the Major 44. Glycoprotein of the Bacillus anthracis Exosporium," J. Biol. Chem. 279:30945-30953 (2004). Flick-Smith et al., "Mucosal or Parenteral Administration of Microsphere-Associated Bacillus anthracis 45. Protective Antigen Protects against Anthrax Infection in Mice," Infect. Immunity 70:2022-2028 (2002). Gaur et al., "Effect of nasal immunization with protective antigen of Bacillus anthracis on protective immune 46. response against anthrax toxin," Vaccine 20:2836-2839 (2002). Ivins et al., "Comparative efficacy of experimental anthrax vaccine candidates against inhalation anthrax in rhesus 47. macaques," Vaccine 16:1141-1148 (1998). Kozel et al., "mAbs to Bacillus anthracis capsular antigen for immunoprotection in anthrax and detection of 48. antigenemia," Proc. Natl. Acad. Sci. USA 101:5042-5047 (2004). LaForce, "Anthrax," Clin. Infect. Dis. 19:1009-1014 (1994). 49. Date Considered Examiner 05/10/2009 /Patricia Duffy/ Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Application No. Attorney Docket No. To Be Assigned INFORMATION DISCLOSURE CITATION LIGO-009/02US (Use several sheets if necessary) PAGE 3 of 3 Applicants: Susan WIMER-MACKIN PTO Form 1449 Group Art Unit: To Be Assigned Filing Date: August 11, 2006 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Mikszta et al., "Protective Immunization against Inhalational Anthrax: A Comparison of Minimally Invasive 50. Delivery Platforms," J. Infect. Dis. 191:278-288 (2005). Reynolds, "Modulating airway defenses against microbes," Curr. Opin. Pulmonary Med. 8: 1 page abstract (2002) 51. Rhie et al., "A dually active anthrax vaccine that confers protection against both bacilli and toxins," Proc. Natl. 52. Acad. Sci. USA 100:10925-10930 (2003). Schneerson et al., "Poly(γ-D-glutamic acid) protein conjugates induce IgG antibodies in mice to the capsule of Bacillus anthracis: A potential addition to the anthrax vaccine," Proc. Natl. Acad. Sci. USA 100:8945-8950 53. (2003).Sigma-Aldrich, "MPL® + TDM Adjuvant System," 2 pages, Sigma-Aldrich (publication date unknown) 2002 54. Sylvestre et al., "Polymorphism in the Collagen-Like Region of the Bacillus anthracis BclA Protein Leads to 55. Variation in Exosporium Filament Length," J. Bacteriol. 185:1555-1563 (2003). Sylvestre et al., "A collagen-like surface glycoprotein is a structural component of the Bacillus anthracis 56. exosporium,," Mol. Microbiol. 45:169-178 (2002). Wimer-Mackin et al., "An intranasal vaccine targeting both the Bacillus anthracis toxin and bacterium provides 57. protection against aerosol spore challenge in rabbits," Vaccine 24:3953-3963 (2006). Date Considered Examiner 05/10/2009 /Patricia Duffy/ Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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